

DOCKET NO.: 290434US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE THE APPLICATION OF: _____ :
Simon SCHAMBONY, et al.

: GROUP ART UNIT: 1796

SERIAL NO.: 10/579,441

: EXAMINER: MULCAHY, PETER D

FILED: May 15, 2006

FOR: USE OF 4-CYANO-NAPHTHALENE-1, 8-DICARBOXIMIDE DERIVATIVES AND
RELATED COMPOUNDS TO PROTECT ORGANIC MATERIAL FROM THE
DAMAGING EFFECTS OF LIGHT

DECLARATION UNDER 37 C.F.R. §1.132

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

SIR:

Now comes Dr. Simon Schambony, who deposes and states:

1. That I am a graduate of Chemistry and received my degree in the year 1997.
2. That I have been employed by BASF SE for 7 years as a Senior Technical

Marketing Manager in the field of Light Stabilizers.

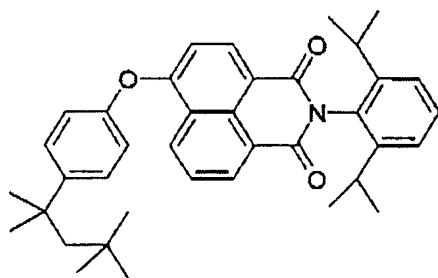
3. That the following experiments were carried out by me or under my direct supervision and control:

The thermal stability of the compound I-C.1 according to the present invention was compared with that of compounds of FR 1,344,883. To this end, the thermal stability was evaluated by the test procedure disclosed below.

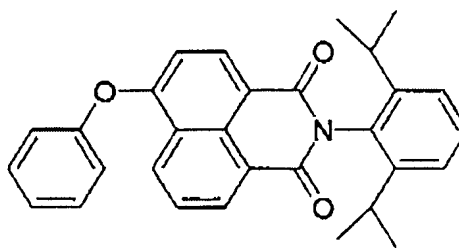
EVALUATED COMPOUNDS

a) Compound of the present invention

b) Compound of FR 1,344,883



(I-C.1)



(X)

TEST PROCEDURE

The volatility of the products was tested by thermogravimetric analysis (TGA). To simulate the conditions of polymer processing the temperature was increased to 280 °C (at 10 K/min) and then the temperature was held for another 25 minutes. During the time the loss of material was recorded.

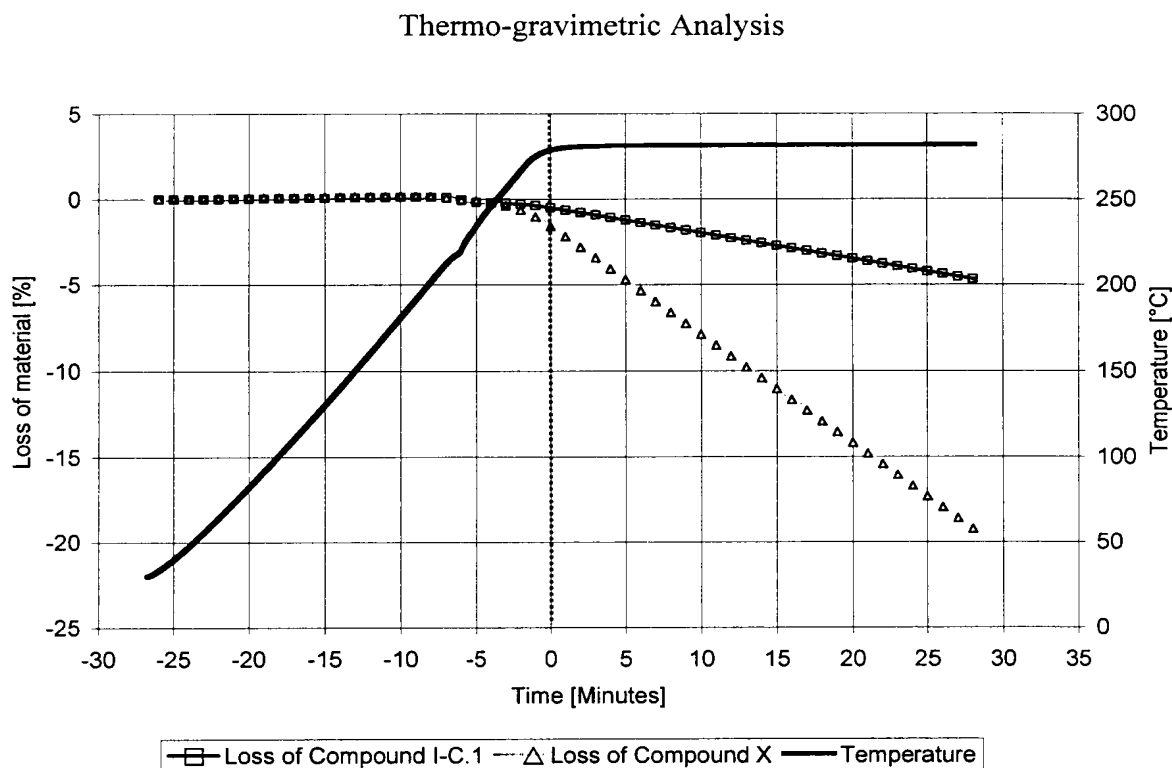
RESULTS

The result is shown in diagram 1. Furthermore, the loss of material was recorded every 5 minutes after reaching the final temperature. These data are shown in Table 1:

Table 1

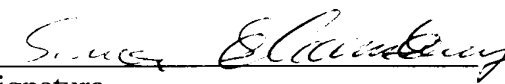
Time [min]	Loss of Compound I-C.1 [%]	Loss of Compound X [%]
0*)	0.5	1.6
5	1.2	4.7
10	2.0	7.9
15	2.7	11.0
20	3.5	14.2
25	4.2	17.3
*) measured just after reaching the final temperature		

Diagram 1



The above diagram shows that compound I-C.1 performs much better than the comparison compound X. The better performance is due to the additional substitution at the phenoxy moiety of the molecule.

4. I declare under penalty of perjury under the laws of the United States of America that the foregoing is believed to be true and correct. 29 U.S.C. §1746(1).


 Signature

Ludwigshafen, 19th November, 2008
 Date